STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [x] Initial [ ] Annual [ ] Special				Test Date: 2/7/87	
Company: Robert L. Bayless		Connection: None			Unit
Pool: Wildcat		Formation: Pictured Cliffs			
Completion Date: 1/24/87	Total Depth: 4150	Plug Back TD: 4067	Elevation: 7134 GL	Farm or Lease Name: Jicarilla 462	
Csg. Size: 4½ / Wt.: 11.6 / d: 4.000 / Set At: 4116		Perforations: From 3611 To 3700		Well No.: 1	
Tbg. Size: 1½ / Wt.: 2.9 / d: 1.610 / Set At: 3614		Perforations: From To		Unit: M / Sec.: 22 / Twp.: 30N / Rge.: 3W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: none		County: Rio Arriba	
Producing Thru: tubing	Reservoir Temp. °F: a	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0 (est.)	State: New Mexico	
L	H	Gg: .65 (est)	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	14 days				1089		1089		
1.	2 inch x .750				12	60°F	170		3 hours
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		24	1.000	.9608	1.010	288
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

MAR 2 7 1987
OIL CON. DIV.
DIST. 3

P_c 1101 P_c^2 1,212,201

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		182	33,124	1,179,077
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0281$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0238$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 295$

Absolute Open Flow 295 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Division | Conducted By: | Calculated By: | Checked By: